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BISCUIT JOINTER 900W
POWX131

1 APPLICATION

The biscuit jointer is suitable for culling grooves for biscuit dowel joints in solid wood, plywood, chipboard, fiberboard, Plexiglas and artificial marble. It is not designed for commercial use.

WARNING! Please read and understand this operating manual before use and keep it for your future reference. Your power tool should only be passed on with these instructions.

2 DESCRIPTION (FIG A)

1. On/off switch
2. Auxiliary handle
3. Spindle lock.
4. Angle stop
5. Scale for the fence angle
6. Cutting depth adjustment knob
7. Clamping knob for angle adjustment
8. Clamping knob for height adjustment
9. Knob for height adjustment
10. Scale for the height adjustment
11. Base plate
12. Dust bag connection
13. Dustbag
14. Motor base

3 PACKAGE CONTENT LIST

- Remove all packing materials
- Remove remaining packaging and transit supports (if existing)
- Check the completeness of the packing content
- Check the appliance, the power cord, the power plug and all accessories for transportation damages.
- Keep the packaging materials as far as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.

WARNING Packing materials are no toys! Children must not play with plastic bags! Danger of suffocation!

1 x dust bag
1 x wrench
Set of spare carbon brushes

When parts are missing or damaged, please contact your dealer.

4 SYMBOLS

In this manual and/or on the machine the following symbols are used:

	Denotes risk of personal injury or damage to the tool.		In accordance with essential safety standards of applicable European directives
	Always wear hearing protection		Always wear safety goggles
	Class II - The machine is double insulated; Earthing wire is therefore not necessary.		

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5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and all instructions. Failure to follow all warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

5.1 Work area

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

5.2 Electrical safety

Always check that the power supply corresponds to the voltage on the rating plate.

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

5.3 Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used whenever conditions require will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.

5.4 Power tool use and care

- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or sticking of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to stick and are easier to control.
- Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could lead to a hazardous situation.

5.5 Service

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

6 SPECIFIC SAFETY WARNINGS

- Sawdust and splinters must not be removed while the machine is running.
- Do not use cutting discs or circular saw blades in the machine.
- Protect saw blades against shocks and impacts
- Only use property sharpened blades, otherwise increased culling forces will shatter the work piece.
- Before use, inspect the saw blade for any damage. Do not use saw blades that are cracked, ripped or otherwise damaged
- Make sure that the work piece is sufficiently supported or clamped. Keep your hands away from |he surface to be cut
- Use the machine only with the auxiliary handle.
- When saw blades have to be mounted on the thread of the spindle, make Sure that [he spindle has sufficient thread
- Make sure that the saw blade has been mounted and fastened property. Do not use reducing rings or adapters to make the saw blade Tit properly.
- Apply the machine to the work piece only when the machine is switched on.
- When working with the machine always hold the machine firmly with both hands and provide for secure distance.
- Persons under 16 years of age are not permitted to operate this machine.
- Always wear safely goggles and hearing protection. If desired or required also use another protection for example and apron or helmet
- Always disconnected the plug from the socket before carry out any work on the machine only plug-in when the machine is switched off

- Keep mains lead clear from working range of the machine. Always lead the cable away behind you.
- The base plate must not be clamped down while the blade is extended. Lowering and raising the blade must be a smooth operation,

7 ADJUSTMENTS

7.1 Adjusting the cutting depth

- Move the motor base (14) as far as possible backwards.
- Set the cutting depth by luring the cutting depth adjustment knob (6).
- Move the motor base forwards and check if the pin will fall in the notch of the adjustment knob.

7.2 Adjusting the cutting angle

The cutting angle can be set by unlocking the clamping knob (7} and put the angle stop (4) in the required angle.

7.3 Adjusting the height

- The correct height can be set by unlocking The clamping Knob (8) and turning The knob for the height adjustment (9) to the desired height with aid of the scale (10)
- The height must corresponds to half of the material Thickness of the work piece, the groove lot the biscuit dowel must always be in The middle of the working piece

8 ASSEMBLAGE

ATTENTION! Disconnect the power plug before carrying out any adjustments or maintenance..

8.1 Mounting saw blade

- Loosen your screws and open the top of the base plate
- Press the spindle lock and turn the spindle until it engages in the lock. Keep the spindle lock pressed during this procedure.
- Remove the flange nut from The spindle using the wrench.
- Position the saw blade and the flange.
- Place the flange nut from the spindle and tighten II with The wrench.
- Take care that the flange nut will be placed with the correct aide on the spindle.
- Release the spindle lock and check that the spindle is unlocked by rotating it.
- Close the top of the base plate and fasten four screws.

Make sure that the top of the base plate is securely closed before operating the machine.

8.2 Mounting dust bag

For dust extraction the dust bag can be used. Insert the dust bag into the vacuuming Connection. Empty the dusts bag regularly so that the vacuuming performance remains intact.

9 OPERATION

9.1 Switching on and off.

- Never use the spindle lock until the machine is working.
- To switch the machine on slide the on/off switch forwards.
- To switch the machine off, depress the on/off switch, the switch will automatically move in the "off" position.

Never use the spindle lock to stop the motor.

9.2 Marking the workpiece s.

Before starling with the biscuit jointer the work pieces must be marked as following:

- Place the two work pieces. Which must be connected, on top of each other.
- Fasten the work pieces and mark the center of the groove.

The space between two grooves should be 10-15cm. This is not applicable for smaller Work pieces- smaller work pieces don't have to be marked

9.3 Positioning of the machine

Based on the size of the work pieces the machine can be positioned in several ways.

9.4 Large wqpkpieces:

- Place the machine near the work piece
- The middle of the base plate (this point is marked on the base plate) must face the center of the groove in the work piece, {see marking the work piece).

9.5 Small workpieces.

- Place the machine near the work piece
- The side of the machine must be lacing the side of the work piece.

9.6 Sawing grooves

- Move the motor base backward.
- Place the machine near the work piece.
- Position the machine (see positioning of the machine)
- Hold the machine with both hands and switch the machine on.
- Push the motor base carefully forward as far as possible.
- Move the motor base backward and switch the machine off.

9.7 Joining the workpieces

When the grooves in both work pieces have been made the workplaces can be joined together

- Put glue in both grooves.
- Race the biscuit dowel in the groove of one work piece.
- Place the other work piece on the biscuit dowel.
- Fasten the work pieces and wait till the glue is dry.

9.8 Checking the cutting depth

- Always check the cutting depth after mounting a saw blade.
- Disconnect the plug from the socket.
- Move the motor base (14} as far as possible backwards.
- Set the cutting depth in the maximum position by turning the depth adjustment knob (6).
- Move the motor base forwards till the pin will fall in the notch of the adjustment knob (6)
- Turn the saw blade till one tooth of the saw blade is in the front position.
- Measure the distance from the side of the base plate to the tooth of the saw blade.
- Check if the distance is 19mm. The maximum position is 18mm.

9.9 Setting the cutting depth

- When the cutting depth is not correct, II can be adjusted as following:
- Move the motor base (14) as far as possible backwards
- Loosen the Pin
- Sell the cutting depth by luring the screw, the screw is positioned at the back of the pin.
- Repeat the procedure till the cutting depth is correct.
- Fasten the Pin.

10 CLEANING AND MAINTENANCE

Attention !Before performing any work on the equipment, pull the power plug.

10.1 Cleaning

- Keep the ventilation slots of the machine clean to prevent overheating of the engine.
- Regularly clean the machine housing with a soft cloth, preferably after each use.
- Keep the ventilation slots free from dust and dirt.
- If the dirt does not come off use a soft cloth moistened with soapy water.

Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

11 TECHNICAL DATA

Voltage	230V
Frequency	50Hz
Power input	900W
No-load Speed	10 800 min^{-1}
Disc diameter	100mm
Blade bore diameter	22 mm
Max.cutting depth	19mm
Fence adjustment	0°-90° / 90°-135°
Spindle dimension	M10
Weight	3.0kg

12 NOISE

Noise emission values measured according to relevant standard. (K=3)

Acoustic pressure level LpA	89 dB(A)
Acoustic power level LwA	100 dB(A)

ATTENTION! Wear hearing protection when sound pressure is over 85 dB(A).

aw (Vibration)	5,1 m/s^2	K = 1.5 m/s^2

13 SERVICE DEPARTMENT

- Damaged switches must be replaced by our after-sales service department.
- If the connecting cable (or mains plug) is damaged, it must be replaced by a particular connecting cable which is available from our service department. Replacement of the connecting cable must only be carried out by our service department (see last page) or by a qualified person (qualified electrician).

14 STORAGE

- Thoroughly clean the whole machine and its accessories.
- Store it out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.
- Protect it from exposure to direct sunlight. Keep it in the dark, if possible.
- Don't keep it in plastic bags to avoid humidity build-up.

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15 WARRANTY

- This product is warranted for a 36-month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding : batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Repairs may only be carried out by an authorised customer service centre for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexpert assembly, lightning strike, erroneus net voltage. This list is not exhaustive.
- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.
- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.
- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.

16 ENVIRONMENT

Should your appliance need replacement after extended use, do not discard it with the household rubbish but dispose of it in an environmentally safe way.
Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice.

17 DECLARATION OF CONFORMITY

VARO N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,
Product: Biscuit Jointer 900W
Trade mark: POWERplus
Model: POWX131

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature);
2011/65/EU
2004/108/EC
2006/42/EC

European harmonized standards (including, if applicable, their amendments up to the date of signature);
EN60745-1 : 2009
EN60745-2-19 : 2009
EN55014-1 : 2006
EN55014-2 : 1997
EN61000-3-2 : 2006
EN61000-3-3 : 2013

Keeper of the Technical Documentation : Philippe Vankerkhove, VARO – Vic. Van Rompuy N.V.

The undersigned acts on behalf of the company CEO,

Philippe Vankerkhove
Regulatory Affairs – Compliance Manager
Date: 26/05/2014